EV-C100

Chapter 1
Introduction

Chapter 2
Preparation

Chapter 3
Basic Operations

Chapter 4
Advanced Operations

Chapter 5
Editing

Chapter 6
Additional Information

Video Cassette Recorder Operating Instructions

Before operating the unit, please read this manual thoroughly and retain it for future reference.

video Hi8

© 1993 by Sony Corporation

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



HEFER SERVICING TO QUALIFIED SERVICE PERSONNEL CAUTION TO REDUCE THE RISK OF FEEDING SHOCK NO USEH SERVICE ABLE PARTS INSIIN DO NOT REMOVE COVER (OR BACK)



This symbol is miended to alen the user to the presence of uninsulated 'dangerous vidage' within the product's enclosure that may be of sufficient mappillude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance

CAUTION:

TO PREVENT ELECTRIC SHOCK, DO NOT USE
THIS POCKRIZED AC PLUG WITH AN
OUTLET UNLESS THE BLADES CAN BE FULLY
WISERTED TO PREVENT BLADE EXPOSURE
WISERTED TO PREVENT BLADE EXPOSURE Television programs, tims, wideo lapes and other materials may be oppyrighted. Unauthorized recording of such material may be containly to the protection of company takes. Also, use of this recorder with cubic television transmission may require authorization from the cable television turnimities aution program owners.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate his equipment.

For the customers in Canada
This apparatus complies with the Class B limits for radio noise emissions set out in Radio Interference Regulations.

Owner's Record
The most number is custed at the front and rearr
panel, and small number is custed on the top Record
the social number in this space provided on the right
Refer to these numbers whenever you call upon your
Sony dealer regarding this product.

Serial No. Model No EV-C100

Tracking Adjustment Cutting out the Unwented Scenes - SHUTTLE EDIT

During Recording During Playback...

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against humbi interference in a residential installation. This autoprized generalists, uses and can ratioals and infertuency energy and, and installed and tested in accordancy with the installed and tested in accordancy with the communications. However, there is no guarantee. that installation, if this equipment does use hamful installation. If this equipment does usual hamful installation, if this equipment does usual hamful and the user is encouraged at lay to correct the interference by oud or into or this elsowing the properties of the control of the colored on the user is encouraged at by to correct the interference by one of more of the elsowing. Note

This equipment has been tested and found to This equipment has been tested and found to comply with the limits for a Class B digital dievoe. pursuant to Part 15 of the FCC Rules, These limits are designed to provide reasonable protection.

measures. Record or relocate the receiving antenne. Increase the separation between the equipment and the receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is consult the deaster or and experienced radeo/TV

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Thank you for choosing Sony.

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Precautions

- Operate the unit only on 120 V AC, 60 Hz.
 If anything fails into the cabinet, unplug the unit and have it checked by qualified personnel before operating it any
- One blade of the plug is water than the other for the purposes of safety and will fit into the power outlet only one way. If you are unable to insent the plug fully into the outlet, contact your dealer.

 Unplug the unit from the walf outlet if you do not intend to use it for an extended period of time. To disconnect the cord, pull it out by the plug, never by the cord itself.

- Allow adequate air circulation to prevent internal heal buildup.

 Do not place the unit on surfaces (rugs, blankets, etc.) or rear materials (curtains, draperies) that may block the ventilation holes.
- dust, mechanical vibration or shock.

 Do not install the unit in an inclined position. It is designed to be operated in a horizontal position only. Do not install the unit near heat sources such as radiators or air ducts, or in a places subject to direct sunlight, excessive
- Keep the unit and cassettes away from equipment with strong magnets, such as microwave ovens or large
- Keep the unit away from a TV. Otherwise, it may cause interference with the TV. Do not place heavy objects on the unit.

Operation

- When the unit is not in use, turn the power off to conserve energy and to extend its life.
 Remove and store video cassettes after recording or playback.

Cleaning

- Clean the cabinet, panel and controls with a dry, soft cloth, or a soft cloth slightly moistened with a mild detergent
- Do not use any type of solvent, such as alcohol or benzine

Recording and Playback

- This VCR uses 8 mm video format casseltes.

 This VCR ann play back and record in the Hi8 video system or the standard 8mm video system. This VCR ann record in SP mode only.

 The VCR ann record in SP mode only.

 The AFM HI-FI stereo feature is available on this VCR.

 The PCM audio recording and playback are not available on this VCR.
- You can neither record in the digital multi system nor play back a tape recorded in the digital multi system on other VCRs.

Chapter 1 Introduction

Features

High quality picture and sound

- Hill video system

 Hill video system

 The Hill video format teatures 400 lines of horizontal resolution, giving you a high video quality

 AFM HI-FI stereo You can record Hi-Fi sound with a live stereo sound atmosphere

Editing

- DUAL MODE SHUTTLE ring
 Allows quick access to the desired scene and playback at various spends in both forward and reverse directions.
 Synchronized dealing
 Synchronized dealing
 Controls two VCRs (recording VCR and playback VCR) connected with either control L (LANC) or control S Control L & (LANC) connector
- Allows connection with other video equipment such as a camcorder easily.

 Furthermore, simulaneous control of both equipment is available for bi-directional synchronized editing

 CONTROL S INPUT connector
- Allows remote control of this VCR by other Sony video equipment with a CONTROL S OUTPUT jack. S VIDEO INJOUT connector
- Allows clear picture by separating color signal from luminance signal.

Function

Votes boost function

When joint grant paper recorded with a video camera recorder (comcorder), voice boost enhances the voice portion of the sound and reduces unwanted background noise like wind so that it's easier to scient to conversation.

No TV or cable reception

Since no tuner is built in this VCR, you cannot record a TV or cable program through the RF (VMF/JHF IN and OUT) connection.

How to Use This Manual

This manual is divided into the following six chapters. Chapter 1 Introduction, Chapter 2 Proparation, Chapter 3 Basic Operations, Chapter 4 Additional Information.

Operations, Chapter 4 Advanced Operations, Chapter 5 Editing, and Operations are 8 Additional Information.

If you are already familiar with basic operations, side Chapter 3 Basic Operations and see Ohapter 4 Advanced

if you have any problems in installing or operating the EV-C100, refer to the troubleshooling section (see page 41) first before calling your local Sony dealer.

When you are reading through the manual, remember:

Buttons and switches on the VCR to be used in operating the VCR are called out and shown in uppercase letters in the

illustrations.

Buttons and switches on the Remote Commander to be used for operating the VCR are called out and enlarged in the illustrations

Conventions

This indicates a function operated only with the buttons on the VCR itself, but not with those on the Remote

This indicates a function operated only with the buttons on the Remote Commander, but not with those on the VCH itself.

Unpacking

Unpack all the items and check to confirm that you have everything listed below • Remote Commander RMT-V124B (1)

- Size AA (R6) batteries (2)
- External antenna connector (1)
- 75-ohm coaxial cable with F-type connectors (1)
- AC power cord (1)
- Audio/video connecting cable (3 phono to 3 phono) (1)

Hookups and Getting Started

Before you can use your VCR for the first time, you need to connect it to your TV and set it up to play back wideo programs for viewing. This section explains how to hook up, set up, and operate your VCR so that you can start enjoying it right away. There are, however, many types of TVs available and many different ways in which your TV can be hooked up. As a result, this manual describes several ways your VCR can be connected.

Use the following table to select the correct hookup for your TV.

| When Ty has audiocados (AA), install | See |
|---|--|
| Your TV has audio/video (A/V) inputs | Hookup 1 Audio/Video (A/V) Hookup (page 7) |
| Your TV doesn't have audio/video (A/V) inputs | Hookup 2 Antenna Hookup (page 8) |
| You have a cable TV | Hookup 3 Cable Hookup (page 10) |

After you've completed the connections, follow the instructions for setup, (During setup, if you need more details of the procedures described, page numbers are provided where you can find complete, step-by-sets productions.) After you've completed the setup, you are ready to use your VCR, Follow the instructions provided in 'To 'Matton' TV and 'To Watch the VCR,' for your specific hookup. (Again, if you need step-by-step instructions, page numbers are provided where you can find these instructions.)

- Before making connections, check the following points:

 Turn off the power to the VCR and TV.

 Do not connect the AC power cord until all of the connections are completed.



NOTE TO CATV SYSTEM INSTALLER IN THE U.S.A.

Communications Commission regarding the use and operation of RF devices. Never connect the output of the recorder to an antenna or make simultaneous (parallel) antenna and recorder connections at the antenna terminate of your receiver.

that violates the regulations of the Federal receiver should be made only as shown in the instructions. Failure to do so may result in operation on the VCR and the antenna terminals of a TV Connections between the VHF/UHF OUT connector

system installer's attention to Anticle 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. This reminder is provided to call the cable TV

ff your TV doesn't match any of the examples provided. Caution

Do not place the VCR near a TV. The playback picture may become distorted.

consult your nearest Sony dealer or qualified Make connections firmly. Loose connections may

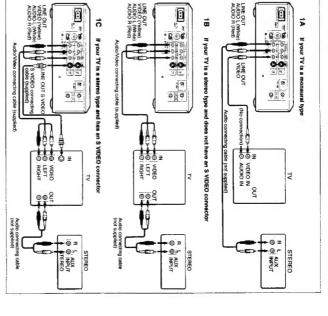
1ecnnician

Audio/Video (A/V) Hookup

Hookup 1

If your TV has authoviden (AN) riput jacks, you will get a befire picture and sound if you brook up your VCR using these connections. If your TV desert have of riputs, see the following pagins and sound if you hook up.

If you only wish to play back movies, you're finished after you're made these connections.



After you've hooked up your TV using the AV connections, use the procedure described on page 9 to set up and use the VCR with your TV.

Note on connections

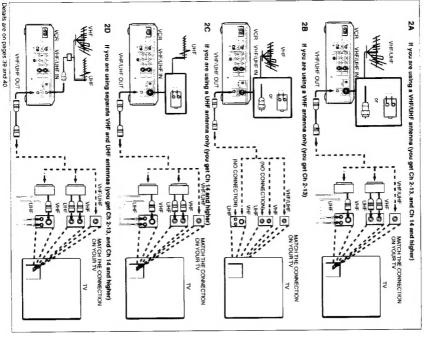
Note that cord plugs and jacks are color coded.

Note that cord plugs and jacks are for the right audio channel, white ones are for the left audio channel and yellow ones are for video signals.

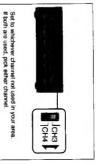
Preparation

Antenna Hookup

Make the following connections if you're using an antenna (roif a cable 17). Check the type of artenna you are using and choose the appropriate connection. These connections, towerer, for not allow you to record a 1V program through the antenna since this VCR does not have a built-in tures. (If you'r IV has AV output jacks, you can record a TV program. See Recording TV or Cable Programs" on page 16.)



Set the RF UNIT selector on the VCR's rear panel to CH3 If you have made A/V connections, skip this adjustment



To Watch the VCR

1 Tune the TV to Ch 3 or Ch 4, whichever you have set on the back of the VCR. (If you have made AV connections on page 7, set your TV to the AV input instead.)

2 Insert a cassette and press ➤ PLAY

3 If there's no picture on your TV, press the VCR's TV/VTB button on the Remote Commander until the VTR indicator on the VCR lights up.

Details are on page 13.

To Watch TV

1 Turn your VCR off, or press the VCR's TV/VTR button on the Remote Commander until the VTR Indicator on the VCR goes off.

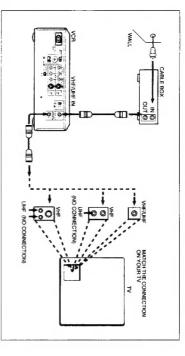
2 Tune the TV normally

Preparation

Hookup 3

TO THE ROOM OF THE PARTY OF THE

This connection does not allow you to record a cable program since this VCR does not have a built-in tuner. (However, if your TV has AV line output jacks, you can record a cable program See 'Recording TV or Cable Programs' on page 16.)



WEN Salup

A. Callen.

If you have made AV connections, skip this adjustment Set the RF UNIT selector on the VCR's rear panel to CH3



To Watch the VCR

- 1 Tune the TV to Ch 3 or Ch 4, whichever you have set on the back of the VCR. (If you have made AV connections on page 7, set your TV to the AV input instead.)
- 2 Insert a cassette and press ► PLAY
- 3 If there's no picture on your TV, press the VCR's VTR indicator on the VCR lights up. TV/VTR button on the Remote Commander until the

Details are on page 13.

To Watch TV

- Turn your VCR off, or press the VCR's TV/VTR button on the Remote Commander until the VTR indicator on the VCR goes off.
- 2 Switch on your cable box.
- 3 Tune the TV to the cable box output channel (usually 2, 3, or 4).
- 4 Select the channel that you want to watch with your cable box

Preparing the Remote Commander

Open the lid.

To operate this VCR with the Remote Commander To operate this VCR with the Remote Commander Make sure that the COMMANDE MODE switch on the rear of the VCR is set to 2. Upon shipment, it is set to 2.)

Notes on the handling of betteries

- remove the batteries to avoid possible damage from battery leakage. Do not use a new battery together with an old one. Do not use different types

Controlling Other Sony Video Equipment

Set the Command Mode selector for the other equipment to VTR2 You can control other Sony video equipment having the Command Mode, using this Remote Commander.







Inserting Batteries

- Insert two size AA (IEC designation R6) batteries by matching the + and on the batteries to the + and indications in the battery compartment.
- 3 Close the lid.

- With normal use, the batteries should last for approximately six months. If you do not use the Remote Commander for an extended period of time.
- of batteries.

Note

This VOR has a COMMAND MODE switch
(OFF/1/23) on the rear panel. When the
COMMAND MODE switch is set to OFF,
you can no longer control this VCR with
any Remote Commander.

Chapter 3 Basic Operations Playback

This section shows you how to play back a video cassette

Inserting a Video Cassette

- 1 Insert a video cassette with the window facing up.
- it into the compartment. Gently press the center of the front side of the cassette until the mechanism draws

When the cassette has been inserted, the cassette indicator $\overline{\mathbf{Z}}$ lights up in the display window and the VCR turns on automatically.



Ejecting the Video Cassette



power automatically shuts off. Press ≜ EJECT on the VCR. You can eject the cassette when the power is off. When you press ≜ EJECT, the power is turned on. After ejecting the cassette, the

You cannot eject a cassette during recording or recording pause mode

Cassette Care

- Always insert the cassette in the correct position.
- Never insert anything in the small holes on the rear of the cassette.

 Store cassettes in their cases and keep them in an upright position to prevent intrusion of dust and uneven winding.
- To record from the beginning of the tape, run the VCR for about 15 seconds at the
- beginning of a cassette before recording.
 When the VCR is not in use, remove the cassette.
- Stick the cassette label in the designated area. Stick the label on securely so it will not peel off and damage the VCR.

Maximum recording time of a cassette

| Cassette used | Recording/Playback Time (SP mode) | Playback Time (LP mode) |
|---------------|-----------------------------------|----------------------------|
| E6/P6-30 | 30 min | † 7 |
| E6/P6-60 | # | 2h |
| P6-90 | 1h 30 min | 3h |
| E6/P6-120 | 2h | 45 |

the tape has been recorded, and plays it back accoordingly.

The picture quality recorded in the LP mode is interior to one recorded in the SP. This VCR automatically detects the type of the tape speed mode (SP or LP) in which

P6-150

2h 30 min

ş

Protecting a recording against accidental erasure

Hear side of a cassette

red color is visible. To prevent accidental erasure, slide out the tab on the back of the cassette so that the

To re-record on the cassette, slide the lab back



Playing Back a Cassette

You can control playback with the identically marked buttons on either the VCR or the

SHUTTLE ring panel lights up. The VCR automatically detects the type of video system the tape was recorded in (Hi8 or standard video system, SP mode or LP mode) and plays it back accordingly. When a tape recorded in the Hi8 video system is played, the Hi8 tamp on the front



11. 44

insert a cassette The VCR turns on automatically

2 Turn on the TV. If your TV is connected to both VHF/UHF OUT and LINE OUT on the VCR, select the input for the VCR. channel for the VCR (Ch 3 or Ch 4). If your TV is connected only to VHF/UHF OUT on the VCR, select the preset



3 Press ► PLAY

.

To stop playback for a moment Press # PAUSE.

Press II PAUSE again or press PLAY to resume playback

To advance the tape rapidly without viewing pictures (fast forward mode) VCR: Press ■ STOP, then turn the DUAL MODE SHUTTLE ring clockwise. Remote Commander: Press ■ STOP, then ▶► FF.

To rewind the tape without viewing pictures (rewind mode)
VCR: Press STOP, then turn the DUAL MODE SHUTTLE ring counterclockwise.
Remote Commander: Press STOP, then 44 REW. counterclockwise in rewind mode. Then release the ring to return to fast forward or You can view pictures momentarily while the VCR is in fast forward or rewind mode or VCR. Turn the DUAL MODE SHUTTLE ring dockwise in fast forward mode, or

hold ◀◀ REW in rewind mode. Then release the button to return to fast forward or rewind mode. rewind mode. Remote Commander: Press and hold PP FF in tast forward mode, or press and

Naver unplug the AC power cord white a tape is moving. This may cause the tape to be jammed in the VCR. When you need to unplug the power cord, he sure to remove the cassette or turn off the When the tape reaches the end during playback

and then turn it off again.

The VCR automatically rewinds the tape to the beginning and the power remains on.

Pressing & EJECT when the VCR is turned off will turn the VCR on, eject the cassette

To eject the cassette Press & EJECT on the VCR

power of the VCR.

When you play back a cassette recorded SAP broadcast, you can not hear the main sound but the SAP sound.

To turn the VCR on or off Press POWER.

Basic Operations

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You can start playback automatically after rewinding a cassette

This operation works only on the VCR. (You cannot use AUTO PLAY with the Remote

Playback starts automatically after the tape is rewound to the beginning of the tape. Press ► PLAY white fully turning the DUAL MODE SHUTTLE ring counterclockwise

Indexing the Tape Contents

SHUTTLE ring

Bedre playing back or recording, press COUNTER RESET to reset the counter to zero. This counter is a "finear time counter," which shows you how much the tape has run in ferms of time by noting the setting, you can find that point later by referring to the counter. Use the label on a cassette to list the programs and their counter the counter. readings. Since the counter is not particularly accurate, use it only for reference.

Locating a Particular Scene Later

If you want to return to a particular scene later, press COUNTER RESET at the desired scene so that the linear time counter is set to "0H00M00S."

Press TAPE RETURN on the Remote Commander while the VCR is in stop To return to the desired scene

stops The tape rewinds to the position where the counter reads "0H00M00S", and

Press PLAY To start playback of the scene

Recorded with a Camcorder Listening More Easily to Conversation

When you press VE (VOICE BOOST) while playing back a lape recorded with a camcorder, the human voice portion of the avoid is enhanced so that it is easier to hear conversation. This reduces the sound of wind and other unwanted background

4

The counter does not work on

the counter reading automatically returns to "OHODMOOS."

The linear time counter installed in this VCA is not a clock. There is a difference between the actual a cassette is inserted in the VCH. After a cassette is ejected, the

the counter display recording and playback time, and

A Section

● REC ■ STOP

| - | video tape | Standard 8mm ON | tape | Hi8 video | tape used |
|---|---------------------------|---------------------------|---------------------------|------------------|------------------|
| | OFF | ON | OFF | ON | His setting with |
| | Standard 8mm video system | Standard 8mm video system | Standard 8mm video system | Hi8 video system | Recording system |
| | | Unlit | - | - | Indicator |

Before You Begin

Check the following points:

- Make sure that the connections have been made correctly (see pages 6-10).
- cassette with the safety tab visible in red (closed) and press \blacksquare REC, the cassette automatically ejects from the VCH. Make sure the cassette is long enough to record the source program. Make sure the safety tab of the cassette has not been slid out. If you insert a

- If your TV is connected only to VHF/UHF OUT on the VCH, select the preset
- 4 If your TV is connected only to VHF/JHF OUT, then press TV/VTR on the Remote Commander so that the VTR indicator lights up. Skip this step if your VCR is connected to both VHF/JHF OUT and LINE OUT.

picture quality fully during recording It is not necessary to turn on the TV Use the supplied S VIDEO

connecting cable to obtain Hi8

and 4.
This VCR can record a cassette in white recording it. Skip steps 2, 3, 5 Press both

RECs on the Remote Commander at the same time, or

REC on The REC indicator on the VCR lights up. The VCH

When you use the LINE IN VIDEO jack and LINE IN S VIDEO

connector at the same time, the LINE IN S VIDEO connector has SPmode only, not in LP mode.

Press II PAUSE

and the power stays on When the cassatte reaches the end
The cassette rewinds to the beginning

This section shows you how to record a video program from other equipment having AV output jacks such as a camcorder. You can record in the Hi8 video system or the standard 8mm video system

Recording

To select the recording system

AUTO with the Hi8 (AUTO/OFF) button. When you inlend to record the HiB cassette in HiB mode, select the HiB setting to

When you intend to record the Hi8 cassette in standard 8mm mode, select the Hi8 setting to OFF with the Hi8 (AUTO/OFF) button.

You can make Hi8 and standard 8mm recording on the HI8 video tape. The HI8 recording is performed only on the HI8 video tape. The HI8 lamp of the front panel lights up when the HI8 recording is made.

Watching It Recording a Video Program while

2 Turn on the TV. The VCR turns on automatically

Insert a cassette.

- 3 If your TV is connected to both VHF/JHF OUT and LINE OUT on the VCR, select the input for the VCR. channel for the VCR (Ch 3 or Ch 4).
- if you do not watch a video program

Press STOP. To stop recording

To pause recording

To resume recording Pause exceeds 7 minutes, the VCR stops

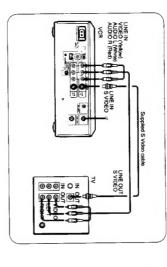
Basic Operations

Basic Operations

• REC

Recording TV or Cable Programs

However, it your TV has AV lime output jacks, you can record TV or cable programs using the connection described below. Since the VCR itself does not have a built-in tuner, you cannot record TV or cable programs if you have made a VCR-TV (or Cable-VCR-TV) connection using "Audio/ Video (A/V) Hookup" on page 7, "Antienna Hookup" on page 8, or "Cable Hookup" on page 8.



11

- Turn on the TV (and the cable box if you record a cable program) and select a program you want to record on the TV.
- 2 Insert a cassette into the VCR.
- Press both

 RECs on the Remote Commander at the same time, or
 REC on the VCR.

You should keep the TV (and the cable box if you record a cable program) on while you are recording TV (or cable) programs.

Note
When you use the LINE IN VIDEO back and LINE IN S VIDEO connector at the same time, the LINE IN S VIDEO connector has priority.

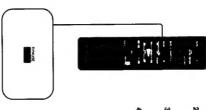


Technique 1

- 2 Press II PAUSE when you want re-start recording. Recording resumes.

Technique 2

- 1 Press II PAUSE to set the VCR to recording pause mode
- recording. clockwise to search for the point from which you wish to continue
- pause mode.
- 4 Press II PAUSE when you want re-start recording Recording resumes.



Pausing

You can stop recording an unwanted scene and resume recording smoothly

- 1 Press II PAUSE when an unwanted scene appears. Recording will stop and the VCH enters recording pause mode

When an unwanted scene has already started recording, you can rewind the cassette to the beginning of the unwanted scene, have the VCR standby in recording pause mode, and issume recording.

- 2 Turn the DUAL MODE SHUTTLE ring on the VCR counterclockwise or

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- 3 Release the DUAL MODE SHUTTLE ring on the VCR at the desired point. After an instant in still mode, the VCR automatically enters recording į

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Chapter 4 Advanced Operations

Variable Speed Playback

The following section explains the advanced playback functions available on your VCR.



guaranteed.

SHUTTLE ring

Still Picture

During playback, press # PAUSE to hold the picture in one place

If you leave your VCR in pause mode, normal playback resumes after approximately 7 minutes. To resume normal playback, press either PLAY or # PAUSE

The sound is not heard during still picture playback

If a still picture shakes up and down or has streaks, you can adjust it by pressing SLOW/STILL ADJUST ▼ or ▲ on the VCR. (See "Tracking Adjustment" on page 20.)

Picture Search

When you release the ring, normal playback resumes counterclockwise VCR: During playback, turn the DUAL MODE SHUTTLE ring clockwise or

When you release the button, normal playback resumes Remote Commander: During playback, press ▶▶ FF or ◀◀ REW.

Locked Picture Search

Press ⊕ or ⊕ SEARCH on the Remote Commander during playback or playback pause. If you press ⊕ SEARCH, the VCR enters locked picture search mode in the reverse direction. If you press ⊕ SEARCH button, the VCR enters locked picture This feature works only when using the Remote Commander search mode in the forward direction.

To resume normal playback Press ► PLAY.



 When viewing the picture in variable speed playback modes.

are using.

During variable speed playback the color may become black and white, depending upon the TV you the picture may shake vertically or

If you perform picture search with the VCR connected to your TV via recorded in LP mode. picture search if the tape was A wider streak will appear during TV screen. This is normal. several streaks will appear on the

slight sound such as a buzzing sound. VHF/UHF OUT, you may hear a

Playback x 2 (Double), -x 2 (Reverse Double) Speed

Slowly turn the DUAL MODE SHUTTLE ring completely clockwise (in the forward direction) or counterclockwise (in the reverse direction) to view pictures at double normal speed.

To resume normal playback Release the ring.

Press x2 Remote Commander:

SHUTTLE ring

Press < DIRECTION To play back in the reverse direction

To resume the forward direction

Press DIRECTION >.

Press PLAY. To resume normal playback

The sound is muted during forward double-speed playback and reverse double-speed

If a $\times 2$ (Forward double-speed playback) picture shakes up and down or has streaks, you can adjust it by pressing SLOW/STILL ADJUST ∇ or \triangle on the VCR. (See "Tracking Adjustment" on page 20.)



VCH: x 1 (Reverse Normal) Speed Playback

Gently turn the QUAL MODE SHUTTLE ring counterclockwise until the VCR enters reverse slow motion pitysteck mode. After a sow motion piteure appears on the TV screen, you can view a -xt (reverse) playback picture. Hold the DUAL MODE

Remote Commander

Press < DIRECTION.

It takes about two or three seconds to reverse the direction in slow motion mode or frame-by-frame

When the tape speed is switched. noise appears a moment.

If a tape has been recorded in both SP and LP modes, the VCR will

even though the tape speed is actually switched from SP to LP or be changed during reverse/torward automatically adjust to each mode. However, the tape speed cannot forward doubte speed playback slow motion playback and reverse/

SHUTTLE ring at that point

Frame-by-Frame Picture

The sound is muted during reverse playback

During playback pause, press DIRECTION > to advance the picture one frame or < DIRECTION to reverse the picture one frame. Each time you press the button, the picture moves one frame

To resume normal playback Press PLAY

Advanced Operations

Slow Motion Playback

counterclockwise (in the reverse direction). VCR: Slowly turn the DUAL MODE SHUTTLE ring clockwise (in the forward direction) or

To return to normal playback Release the ring.

Press I► SLOW.

SLOW/STILL ADJUST A/T

Press DIRECTION >.

Press PLAY.

The sound is muted during reverse slow motion playback. If you leave the VCR in slow motion mode for more than 30 seconds, the VCR will

Tracking Adjustment

If the picture shakes up and down or has steaks during still picture, slow motion, and x2 (noward double-speed) playback, you can adjust it by pressing SLOW/STILL ADJUST ▼ or ▲ on the VCR.

However, the adjustment cannot be performed while you are turning the DUAL MODE SHUTTLE ring. Use the Remote Commander, therefore, for operating still picture and slow motion playback.

Press and hold SLOW/STILL ADJUST \P or \blacktriangle on the VCR until you obtain the best possible picture on the TV screen.

V DINECTION >

D SLOW

Note
It is necessary to adjust tracking for both SP and LP modes.

Remote Commander:

DUAL MODE
SHUTTLE mg to play back in the reverse direction
Press < DIRECTION. To resume the forward direction

To return to normal playback

automatically return to normal playback.

If a slow motion picture shakes up and down or has streaks, you can adjust it by pressing SLOW/STILL ADJUST ♥ or ▲ on the VCR. (See "Tracking Adjustment" below.)



- SHUTTLE EDIT Cutting out the Unwanted Scenes

During Recording

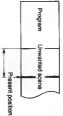
If you wish to cut out an unwainted scene, you can pause recording and rewind the tape until the beginning of the unwainted scene is reached. You can then record over it. This feature is controlled using the DUAL MODE SHUTTLE ring on the VCR.

III PAUSE

- 1 Press III PAUSE during recording.
 The VCR enters recording pause mode.
- 2 Turn the DUAL MODE SHUTTLE ring on the VCH counterclockwise to rewind the tape until the unwanted scene appears.

SHUTTLE ring





Turn the ring slightly. During rewinding, the screen changes to the playback picture, but sound is not switched. When you release the ring, the VCR enters recording pause mode. Portion to be cut out

3 Press III PAUSE again to release the pause when a scene you want to cut out appears on the screen.

Recording starts.

1,9

During Playback

COUNTER RESET II PAUSE • REC SHUTTLE ring ■ STOP

You can re-record onto an unwanted portion of a pre-recorded cassette using the DUAL MODE SHUTTLE ring on the VCR.

- Press II PAUSE at the end of the unwanted scene during playback The VCR enters playback pause mode
- 2 Press COUNTER RESET on the VCR to set the linear counter to
- 3 Turn the DUAL MODE SHUTTLE ring counterclockwise until the beginning of the unwanted scene appears on the screen.
 When your release the ring, the VOR enters playback pause mode.
 Use < DIRECTION > on the Remote Commander to rewind or advance the picture.
- 4 Press REC.

frame by frame when searching for more specific points.

- The VCH enters recording pause mode
- 5 Select a new program for re-recording.
- 6 Press II PAUSE again to release the pause when the scene to be recorded begins to appear on the screen.
- 7 Press STOP when the linear counter shows "0H00M00S"

Chapter 5 Editing Overview of the Editing Functions

Using a second VCR, you can record programs from one VCR to the other. The following are the tape editing functions available on the VCR.

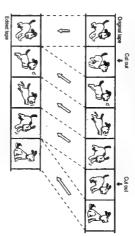
 To make a copy of a tape See "Tape Dubbing" on pages 24-26



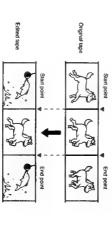




 To edit out unwanted scenes See "Assemble Editing" on pages 27 and 28



 To insert another scene into a tape See "Insert Editing" on pages 27 and 29.



 To edit tapes using the synchronized editing function See "Synchronized Editing" on pages 30-33.

Editing

23

moment at the cut-out point (recording end point). Note
The picture may be distorted a

Editing from the Other VCR

Here's how to edit from another VCR (such as an 8 mm video carriera recorder or a VHS-tormat VCR for playback) when using this VCR for recording.

This VCR

PAUSE

Connection



connection gives you a higher

What is the EDIT function? This function avoids deterioration of picture on the duplicated tape if you activate it when dubbing tapes.

that VCR

when connecting two VCFs, do not connect them so that both VCFs are used as a cocording VCFs and a pulspokes, VCFs are used as a cocording VCFs and a pulspokes, VCFs as a more as humming process.

If your pelaptick, VCFs as a more as humming process, and it is the limit of the pulspokes, VCFs and tellies the near plung to LIME IN AUDIOL, on this VCFs and tellies the near plung pulspokes (VCFs and tellies the near plung pulspokes (VCFs and tellies the loss of the VCFs do not be the second of this pelaptick VCFs do not be the second of the pelaptick VCFs do not be the VCFs do not be the vCFs and vCFs. AUDIO R.

Before You Begin

Press EDIT on the VCR so that the EDIT indicator lights up.

Note
If the other VCR also has the EDIT function, select it to reduce static and improve reception.

Operation

- I Insert a cassette for recording into this (recording) VCR
- 2 Turn on the other (playback) VCR and insert a source cassatte.
- 3 Locate the playback start point and select the playback pause mode on the other
- 4 Locate the recording start point and select the recording pause mode on this VCR
- 5 Press IT PAUSE on both VCRs to release the pause. For best results, press in PAUSE on the other VCR just before pressing in PAUSE on this VCR.
 When you've finished editing, press in STOP on both VCRs.



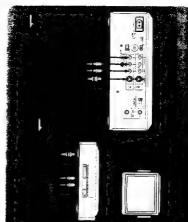
Other VCR (Playback VCR)

Editing onto the Other VCR

Notes

When connecting two VCRs, do not connect them so that both VCRs are used as a recording VCR and a playback VCR recording VCR). Here's how to edit from this VCR (as the playback VCR) onto the other VCR (as the





connector on the VCR

Before You Begin

Press EDIT on this VCR that the EDIT indicator lights up.

Note If the other VCR has the EDIT function, it should also be selected to improve reception.

■ STOP Operation ► PLAY

- 1 Turn on the other (recording) VCR and insert a cassette for recording.
- 2 Insert a source cassette into this (playback) VCR.
- 3 Locate the playback start point and select playback pause mode on this VCR.

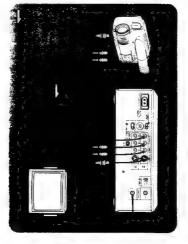
II PAUSE

- 4 Locate the recording start point and select recording pause mode on the other
- 5 Press II PAUSE on both VCRs to release the pause. For best results, press # PAUSE on this VCR just before pressing # PAUSE on the other VCH. When you've finished editing, press # STOP on both VCRs.

Assemble Editing/Insert Editing

Using the LANC connector, you can take advantage of the synchronized editing function. For the synchronized editing operation, see pages 30-33.

Connection



- When connecting two VCRs, do not connect them so that both VCRs are used an a recording VCR and a playback VCR
- smallaneously Dong so may cause a Numming note.

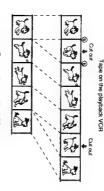
 If your playlane's VCR is a myour playlane's VCR is a more write play to LINE II w AUDO L on me he poly to LINE II w AUDO L on the poly and leave the sed old groupstaged. The site your record of the paylogated The site your record the sound of the playlogate VCR on the VCR on the charestes of the VCR or on the CAR or on the VCR or on the CAR or on the VCR or on
- if the EDIT function is provided To avoid deterioration of picutre with that VCR. the EDIT function of the other VCR quality, remember to swithch on
- When you use the LINE IN VIDEO jack and the LINE IN S VIDEO connector III the same time, the LINE IN III VIDEO connector has priority.

Other VCR (Recording VCR)

1

Assemble Editing

Before You Begin



Tape on the recording VCR

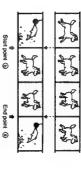
Operation

- Insert a recorded cassette into the other (playback) VCR and a cassette for recording into this (recording) VCR.
- 2 Record on this VCR while viewing the playback picture of the other (playback) VCR and have this (recording) VCR enter recording pause mode at the point (point ®): where you want to cut out.
- 3 Release the recording pause at the point where you want to start recording again (point (a)).
- 4 Repeat steps 2 and 3 to make a newly composed tape.
 When you've finished editing, press STOP on both VCRs.

Insert Editing

Before You Begin

Tape on the playback VCR



Tape on the recording VCR

Operation

- Insert a recorded cassette into the other (playback) VCR and a cassette for recording into this (recording) VCR.
- 2 Locate the editing end point (@) by playing back the cassette on this (recording) VCR and press COUNTER RESET on this VCR. The counter reads "0H00M00S".
- 3 Rewind the tape on this VCR and put the VCR in recording pause mode at the editing start point (©).
- 4 Play back on the other VCR and put it in playback pause mode at the point where the picture to be inserted appears on the screen.

Reces
If you play back a tape on which insert
editing was performed, the picture
may be discorted at the end point of
insert editing.

6 Press STOP on this VCR to stop the recording is the editing end point (counter reading reaches to 0H00Mf00S) set in step 2.

Release recording pause mode of this VCR and playback pause mode of the other VCR simultaneously.

7 Press STOP on the other VCR to stop the playback

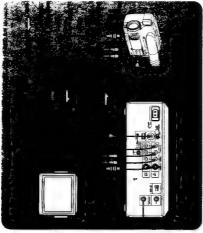
Synchronized Editing

If your other VCR has a control. (&LANC) connector, you can take advantage of a feature called "Synchronized Eding" that controls both VCRs (recording VCR and playback VCR), and refeases the pause when SYNCHRO EDIT is pressed To use this function, you must connect a designated control cabbe (control L or S cabbe) in addition to the connections of the audio and video cables.

depending on the type of connectors of the VCRs. There are two types of control cables: control L (LANC) cable and control E cable

Connector Connecting Video Equipment with the LANC

This VCR



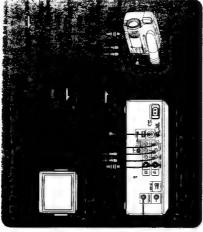
If your playback VCR is a moneural unit, connect the white plug to LINE IN AUDIO L on this VCR and leave the edd plug unpugged. This lefts you record the sound of the play back VCR on both channels of this VCR, donors comment the white plug is LINE IN AUDIO R.

If the other VCR has a LANC connector and a CONTROL S

simultaneously. CONTROL S connections Do not make the LANC and connector, use the LANC connector used as a recording VCR and a playback VCR simultaneously. Doing so may casue a humming noise.

Notes

When connecting two VCRs, do not connect them so that both VCRs are



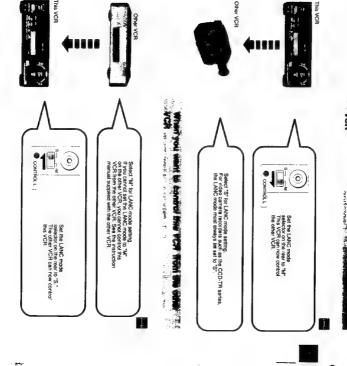
If your playback VCR is equipped with the S VIDEO output connector, you can use the S VIDEO connecting cathe (supplied) to connect to the LINE IN S VIDEO connector on the VCR This connector on the VCR This connector on the VCR This connector on the VCR This

when you use the LINE IN VIDEO Jack and LINE IN S VIDEO connector at the same time, the LINE IN S VIDEO connector has

Control System.
The LANC connector is used for controlling this tape transport of video equipment and peripherals connected to it. This connector has the same function as the connectors indicated as CONTROL. L or REMOTE on other equipment. About the & (LANC)
LANC stands for Local Application

Setting the LANC Mode

When you perform synchronized editing using the control L (LANC) cable, remember to set the LANC mode as described below: controls which Be sure this setting is correct before you begin editing, since it decides which VCR



settings of both VCRs set to the same position connection between this VCR and the other VCR with the LANC mode Do not make the CONTROL L

This VCR

٠

30 Editing 1

Synchronized Assemble Editing

Before You Begin

Check the LANC mode setting (see page 31).

This VCR (Recording VCR)

Operation

- 1 Insert a recorded cassette into the other (playback) VCR and a cassette for recording into this (recording) VCR.
- 2 Locate the recording start point on this VCR and put this VCR in recording pause

SYNCHRO

STOP

3 Locate the beginning of the scene to be edited out on the other VCR and put the other VCR in playback pause mode.

4 Press SYNCHRO EDIT on this VCR. The SYNCHRO EDIT indicator lights up.

Pause mode of both the recording VCR and the playback VCR is released

5 Press SYNCHRO EDIT on this VCR at the point where you want to stop to start editing. This VCH enters recording pause mode, and the other VCH enters playback

Other VCR (Playback VCR)

- 6 If you have another scene you want to edit, repeat steps 3 to 5.
- 7 After aditing has been completed, press STOP on both VCRs

To make use of the linear counter "0H00M006" (zero) for synchronized editing You can perform synchronized inseat editing only when this VCR is used as the recording VCR and the LANC mode is set to "M." When the linear counter on this (recording) VCR becomes zero during synchronized recording pause mode editing, the other (playback) VCR enters playback pause mode and this VCR enters

See the instructions on page 29 for operation. Follow the operation procedures 1.2 and I on page 29.

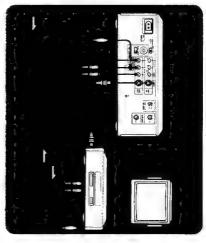
The EDIT function is activated

syncronized editing stop
The COUNTER RESET button cannot function

If the linear counter becomes zero, and this VCR enters recording pause mode. To start editing, press SYNCHRO EDIT on this VCR.

When the linear counter becomes zero, the other VCR enters playback pause mode

Connecting Video Equipment with the **CONTROL S Connector**



When connecting two VCRs, do

not connect them so that both VCRs are used as a recording VCR and a playback VCR

Withou using the CONTROL 5 cable

Who using the CONTROL 5 cable

The synchronized editing using the CONTROL 5 connector is the same as the synchronized editing using the LANC connector. This enables you to pause both VCRs and release pause mode of both VCRs.

YOU can only perform synchronized editing using the CONTROL 5 IN connector when the other VCR has the CONTROL 5 OUT connector. Set the Command Mode of the other VCR to VTR2.

Press SYNCHRO EDIT on the other VCR having the CONTROL S OUT connector

cable (not supplied).

If your recording VCR is equipped with the S VIDEO rigust connector, you can use the S VIDEO to the state of the

simultaneously. Doing so may cause a humming noise. If your recording VCR is a using the VMC-910HG/920HG

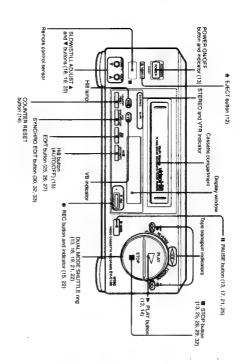
monaural unit, make connections

connector on the VCR. connecting cable (supplied) to connect to the LINE OUT S VIDEO

Chapter 6 Additional Information Identifying the Parts and Controls

Front Panel

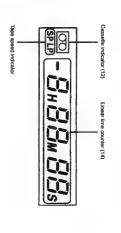
The function of each control is explained on the page indicated in parentheses ().



| Recording | Indicator lit | Auto play | 4 |
|---------------------------------------|---------------|---------------------------------------|---------------|
| Frame-by-frame picture (forward) | | Frame-by-frame picture (reverse) | 4 |
| Slow motion play (forward) | | Slow motion play (revrse) | |
| Play (forward) | ∇ | Play (reverse) | Δ |
| x 2 (double speed) playback (forward) | | x 2 (double speed) playback (reverse) | |
| Locked picture search (forward) | 7 | Locked picture search (reverse) | 1 |
| Picture search (forward) | 7 | Picture search (reverse) | 7 |
| Play pause (forward) | 8 ▽ | Play pause (reverse) | △ 8 |
| Fast forward | ◊ | Rewind | â |

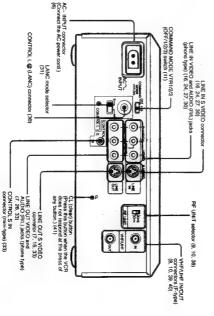
Display Window

Each indicator is explained on the page indicated in parentheses ().



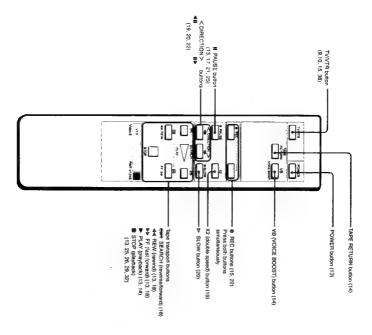
Rear Panel

The function of each control is explained on the page indicated in parentheses ().



Remote Commander

The function of each control is explained on the page indicated in parentheses ()



Hi 3 (High Eight) Video System Technical Information

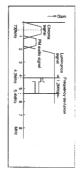
developed utilizing the advantages of the 8mm video system. (See the diagrams below.) The main characteristics means Illia video recorder (enhances picture quality) is capable of recording a large amount of information of the Hi8 video system are as follows: (enhances picture quality). The HiB video sylem was The 8mm video system employs a metal powder tape. This

Characteristics of Hi8 System

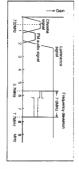
Super high quality picture

400 lines. shifted up to 5.7-7.7 MHz. This is higher than the 4.2-5.4 frequency range of the luminance signal has been frequency range. In the Hi8 video system, the FM carrier The information capacity, a key element for picture imporvement is increased by shifting up the FM carrier Consequently, the horizontal resolution is improved to MHz range of the standard 8mm video system.

Frequency allocation of the standard 8mm video



Frequency allocation of the Hi8 video system



Use of high grade tape to match the Hi8 video

recording. The Hi8 VCR uses such high-grade tapes for the Hi8 video system, covering a wide frequency range, to achieve a high-quality video signal for recording/ has greater magnetism which permits high-density Metal tape for the Hi8 video system is ideal because it

S VIDEO (separate luminance/chroma signal) input/output connectors Conventionally, the video signal exchanged

With the sepearated video signal, flicker and color blur in the picture are minimized and sharpness is enhanced in such an extent that hair and fine minimum loss of picyture quality. stripes are clearly visible. The S VIDEO connector transmit and receive the video signal sepearated quality reduction, an S VIDEO connector is used to resulting in a reduction picture quality. To avoid this several vídeo devices is called a composite video also assures excellent editing quality with a into the luminance signal and the chroma signal. video signal is liable to produce interference, signals are mixed. In this system the composite signal, in which the luminance (Y) and chroma (C) between the TV IIII and video equipment or among

 Tape speed
 The Hill video systme uses the same tape speed as the standard 8mm video system. An E6-120 for P6-the standard 8mm video system. 120) allows four hours of playback in LP mode.

Video System Recording and Playback in the His

To take advantage of the EV-C100 Hi8 video system you must use Hi8 video tapes for recording and

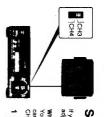
You can use the EV-C100 to record and playback standard 8mm video tapes if HI8 quality is not necessary. (The Video 8 and standard 8mm systems are often reffered to as "normal" mode.) recorded and plays the tape back accordingly The EV-C100 automatically detects the type of video system (standard or Hi8) in which the tape was

To make the most of the Hi8 video system, select the Hi8 setting with the Hi8 (AUTO/OFF) button to AUTO in this way, EV-C100 records in the Hi8 video system (See page 15).

video recorder decks Compativility with conventional

(standard 8mm video system) Played back on conventional 8mm video equipment apes recorded using the HiB video system cannot be

General Setup Information



Setting the RF UNIT Selector

If you connect a TV or color monitor equipped with A/V input jacks, skip this adjustment.

Why this setting is necessary:
You must set the RF UNIT selector at the rear of the VCR property so that your TV can receive the correct signal from the VCR. Set the selector to CH3 (Channel 3) or CH4 (Channel 4), whichever is not used in your area.

1 Set the RF UNIT selector at the rear of the VCR to CH3 or CH4, whichever is not used in your area.

į

3 Press TV/VTR on the Remote Commander The VTR indicator on the VCR lights up. The power indicator on the front panel lights up.

11)

2 Press POWER.

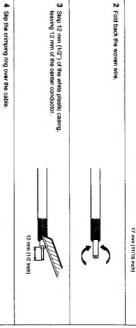
4 Turn on your TV and set it to the channel selected in step 1.
Your TV is now tuned to the VCR. Whenever you use the VCR, set the TV to the selected channel.



1 Strip 17 mm (11/16") of the black polyvinyl jacket.

Attaching an F-type Connector (not supplied)

a company of a



5 Insert the inner conductor into the F-type connector shaft and push the end of the cable into the connector as far as it will go. F-type connector

NAVI

6 Slide the crimping ring over this assembly. Pinch the crimping ring with pliers to hold the connection in place. 7 Cut the center conductor leaving 3 mm (1/8") from the end. Climp 3 mm (1/8 inch)

8 Insert the F-type connector into the VHF/UHF IN connector on the VCR.



Additional Information



- VHF/UHF-IN 75 ohm coaxial cable
- Loosen the screws on the antenna connector.
- 2 Fit the 300-ohm twin lead cable on the UHF antenna under the screws on the antenna connector.
- Retighten the screws.

- 1 Loosen the screws on the U/V band separator/mixer.
- 2 Fit the 300-ohm twin lead cable on the UHF antenna under the screws.
- 3 Righten the screws.
- 4 Connect the 75-ohm coaxial cable to the U/V band separator/mixer.

5 Connect the U/V band separator/mixer to the VHF/UHF IN connector on the VCR.

Troubleshooting

If you have a problem with your VCR, first check the power cord connection, then go through the following list. Should the difficulty persist, unplug the unit and contact your Sony dealer or local authorized Sony Service Center facility.

| Power | Symptom The POWER switch doesn't work | Possi | The AC nower cord is disconnected |
|------------------------|--|--|--|
| TV Reception | The reception is poor. | • The che the TV. • The VH connec | The channel for the VCR is not correctly tuned on the TV. The VHF/UHF IN or OUT on the VCR are not connected firmly. The AC power cord of the VCR is disconnected. |
| Recording and Playback | Shaky and/or snowy picture during recording. | • The 1 VCR | The TV's channel is not set to the one preset for the VCR. |
| | No picture on the TV screen. | Pres VCF inpu Make | Press TV/VTR so that the VTR Indicator on the VCR lights up. VCR lights up. The channel is not set to Ch 3 or Ch 4 or the video input has not been selected on the TV. Make sure that S VIDEO connection is tight. Clean the video head. (See page 4x) |
| | The VCR won't record. | • Ren | No cassette has been inserted. The cassette inserted is at its end. Remove the S UDEC comercting cable from the S VIDEO IN when the cable is not used. |
| | The playback picture is not clear. | The che the TV. The vid Sony V details with the not are your ne a comm It may to The vid. The vid. | The channel for the VCR is not correctly tuned on the TV. The video heads are diffy. Clean the heads using the Scny, VE-SCL II. Video head cleaning casable. For details on cleaning casable, if the cleaning casable is with the cleaning casable is not available in your rearest Sony Service Center (solity, (Do not use your nearest Sony Service Center (solity), (Do not use a commercially available well-typed cleaning cassattle in may demange the video heads of |
| | Noisy picture | • Plac | Place the VCR away from a TV. The tape is defective. Use a new cassette |
| | The picture moves vertically during picture search mode. | Adjust the monitor. | Adjust the vertical hold control on the TV or color monitor. |
| | The sound drops out. | • The | The cassette is defective. Use a new video cassette |
| | The cassette is ejected if ● REC is pressed. | · Che | Check the safety teb. |
| Others | A cassette cannot be inserted. | • Ano | Another cassette has already been inserted |
| | The Remote Commander cannot be operated. | • Set | The batteries are exhausted. Set the COMMAND MODE switch on the VCR to 2 |
| | The VCR does not respond even though you press any button. | 888 | The built-in microprocessor may be defective. Pressing CL (clear) on the rear panel with a pointed object such as a ballpoint pen, may fix the problem. |
| | You cannot control this VCR from the other VCR during synchronized editing | S (S 8 | Set the LANC mode of the other VCR to M. (See page 31). Set the LANC mode of this VCR to S.(See page 31). |

Taking Care of Your EV-C100

Video Head Cleaning

When playback pictures are notly and hardly visible, or no picture or a black and white picture appears, the video heads may be contaminated. Clean the video heads using video head cleaning lape V8-25CLH (not supplied) or ask Suny service personnel to clean the video heads.

Symptoms caused by contaminated video heads

No picture

Normal picture











Terminal

Worn Video Heads

the Sony Service Center nearest you. If the VCR displays a poor picture after you clean the video heads, you may need to replace them. Consult your dealer or

Check the Video Heads after 1,000 Hours of Use

This VCR is a high-precision machine, It must record on or play back from magnetic tapes on which the image signals from the color TV or the video camcorder are recorded. The video heads or mechanical parts for transporting the tape become contaminated or worn after extended use. You should have the VCH checked (cleaning, oiling and replacing of worn parts) after each 1,000 hours of use.

Moisture Condensation

Meln Unit
Do not operate the unit right after having transported it from a cold location to a warm location or in a room where the
temperature rises suddenly, because moisture may condense in the operating section of the unit. Walt for about one
hour before operating the unit on in the new location or keep the rise in room temperature gradual. If the unit is operated with moisture condensation, the unit and the tape may be damaged.

Therefore remove the tape immediately when there is a possibility of moisture condensation or when no picture (or a

Output impedance: less than 10 kilohms CONTROL S IN minijack

Input impedance: Audio output Audio input

more than 47 kilohms LINE OUT AUDIO (phono jack)(2)

Input level:

-7.5 dHs

Standard impedance:-7.5 dBs at load impedance

47 kilohms

S VIDEO output

Luminance singal:

1 Vp-p, 75 ohms, unbalanced. LINE IN AUDIO (phono jack)(2)

(4-pin, mini-DIN)

Sync negative
Chrominance signal: 0.286 Vp-p, 75 ohms, unbalanced
VIDEO output
LINE OUT S VIDEO

sync negative Chrominance signal: 0.286Vp-p, 75 ohms, unbalanced

S VIDEO inpput Video output Video input Inputs and outputs

LINE IN S VIDEO

Sync negative LINE OUT VIDEO (phono jack)(1)

LINE IN VIDEO (phono jack) (1)

1 Vp-p, 75 ohms, unbalanced,

1 Vp-p, 75 ohms, unbalanced

Output signal

input signal:

Luminace signal:

1Vp-p, 75 ohms, unbalanced (4-pin, mini-DIN)

CONTROL L & Stereo mini-mini jack

- Cassette monochrome picture) is obtained. To evaporate the moisture rapidly, leave the player turned on without a tape loaded
- When a cassette tape is carried from a cold place to a warm place, the cassette tape may become wet. When there is any possibility of moisture condensation, eject the cassette tape and leave it outside of the compartment for about one hour.

Specifications

Audio recording Video recording system Rotary two-head helical scanning FM system

Maximum recording time Tape speed Usable cassette Video signal Rotary head, FM system (2 channels) LP: approx. 0.72 cm/sec. 8 mm video format cassettes SP: approx. 1.43 cm/sec. NTSC color, EIA standards

Fast-forward and rewind time (with Sony P6-150) SP: 2 hours 30 minutes

(with Sony P6-120 cassette) Approx. 4.5 minutes

Channel 3 or 4 (selectable)

75 ohms, unbalanced

75 ohms, F-type connector for VHF/UHF IN

VHF/UHF input VHF/UHF output

2 size AA batteries (IEC designation R6) 3V DC

Ulmensions Storage temperature Power requirements Power consumption Operating temperature 5°C to 40°C (41°F to 104°F) 12 W (max.) 120 V AC, 60 Hz

Approx. 225 x 75 x 252 mm (w/h/d) (Approx. 8 ⁷/₆ x 3 x 10 inch) Approx. 2.1 kg (4 lb 10 oz) -20°C to 60°C (-4°F to +140°F)

Remote Commander RMT-V124B

Infrared control

Power requirements Remote control system Command mode

VTR2

Supplied accessories

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| Pausing 17 Playing Back a Cassette. See Cassette: Playing back | If you have any questions about this product, call: Sony Customer Information Center East Coast : 201-930-7669 (Sony) NJ Central : 708-250-7669 (Sony) IL West Coast : 714-821-7669 (Sony) CA |

or write to:

Sony Customer Information Center Sony Drive, Mail Drop #T1-11, Park Ridge, NJ 07656

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